

Title (en)  
MYOCARDIAL CELL SHEET

Title (de)  
MYOKARDIALE ZELLSCHICHT

Title (fr)  
FEUILLET DE CELLULES MYOCARDIQUES

Publication  
**EP 3219790 B1 20210804 (EN)**

Application  
**EP 15858532 A 20151111**

Priority  
• JP 2014230100 A 20141112  
• JP 2015081777 W 20151111

Abstract (en)  
[origin: EP3219790A1] Provided is a sheet-shaped cell culture that includes myocardial cells derived from pluripotent stem cells and has excellent functional properties. A sheet-shaped cell culture obtained by culturing a cell population that includes myocardial cells derived from pluripotent stem cells, wherein the proportion of the number of the myocardial cells derived from pluripotent stem cells to the total number of cells in the cell population is 50% to 70%; a method of producing the sheet-shaped cell culture; a composition including the sheet-shaped cell culture; and a method of treating a disease using the sheet-shaped cell culture or the composition.

IPC 8 full level  
**C12N 5/071** (2010.01); **A61K 35/12** (2015.01); **A61L 27/00** (2006.01); **A61P 9/00** (2006.01)

CPC (source: EP US)  
**A61K 35/12** (2013.01 - US); **A61K 35/34** (2013.01 - EP US); **A61L 27/36** (2013.01 - EP); **C12N 5/0657** (2013.01 - EP US); **A61L 2430/20** (2013.01 - EP); **C12N 2501/115** (2013.01 - EP US); **C12N 2501/155** (2013.01 - EP US); **C12N 2501/16** (2013.01 - EP US); **C12N 2501/165** (2013.01 - EP US); **C12N 2501/415** (2013.01 - EP US); **C12N 2501/727** (2013.01 - EP); **C12N 2501/999** (2013.01 - EP US); **C12N 2506/45** (2013.01 - EP US)

Citation (examination)  
DAVID A. CLAASSEN ET AL: "ROCK inhibition enhances the recovery and growth of cryopreserved human embryonic stem cells and human induced pluripotent stem cells", MOLECULAR REPRODUCTION AND DEVELOPMENT, vol. 76, no. 8, 1 August 2009 (2009-08-01), pages 722 - 732, XP055048791, ISSN: 1040-452X, DOI: 10.1002/mrd.21021

Cited by  
CN109153963A; US11395863B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3219790 A1 20170920**; **EP 3219790 A4 20180718**; **EP 3219790 B1 20210804**; JP 2021090459 A 20210617; JP 7180965 B2 20221130; JP 7506011 B2 20240625; JP WO2016076368 A1 20170824; US 11124770 B2 20210921; US 2017247658 A1 20170831; WO 2016076368 A1 20160519

DOCDB simple family (application)  
**EP 15858532 A 20151111**; JP 2015081777 W 20151111; JP 2016559092 A 20151111; JP 2021037973 A 20210310; US 201715594011 A 20170512